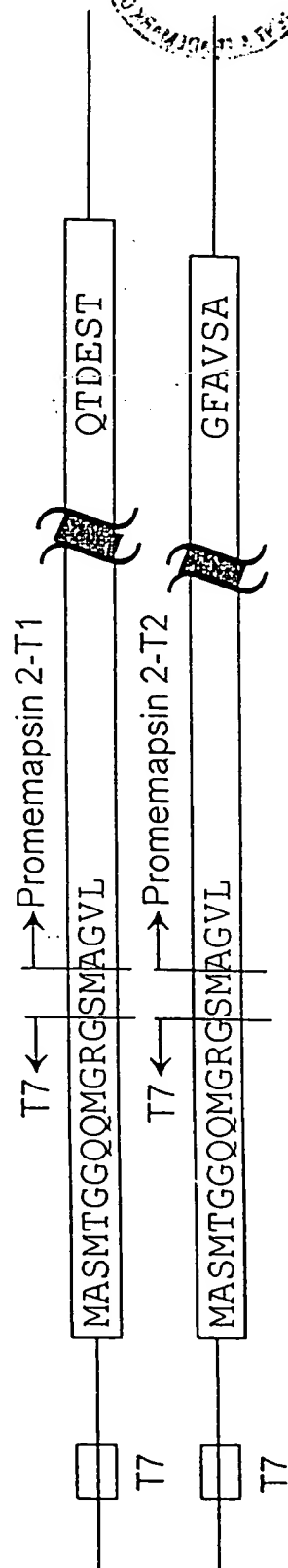


APPROVED	O.G. FIG.	
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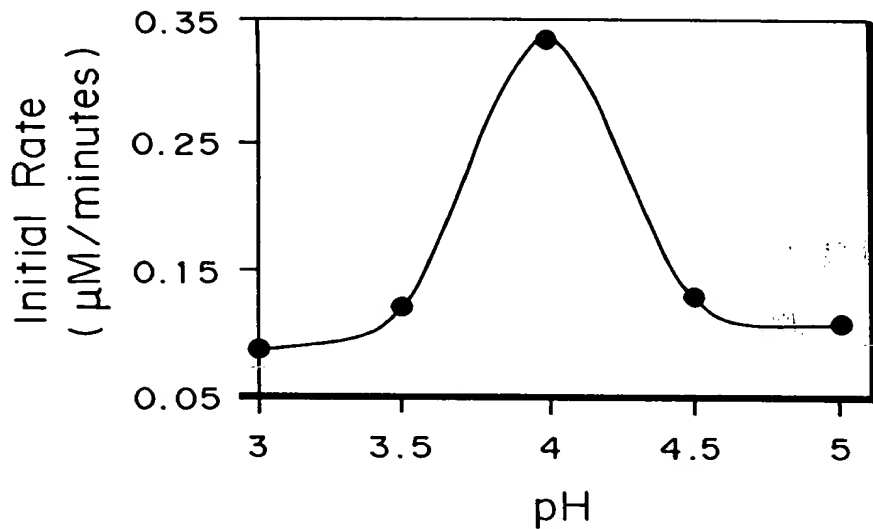
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**FIG. 1**

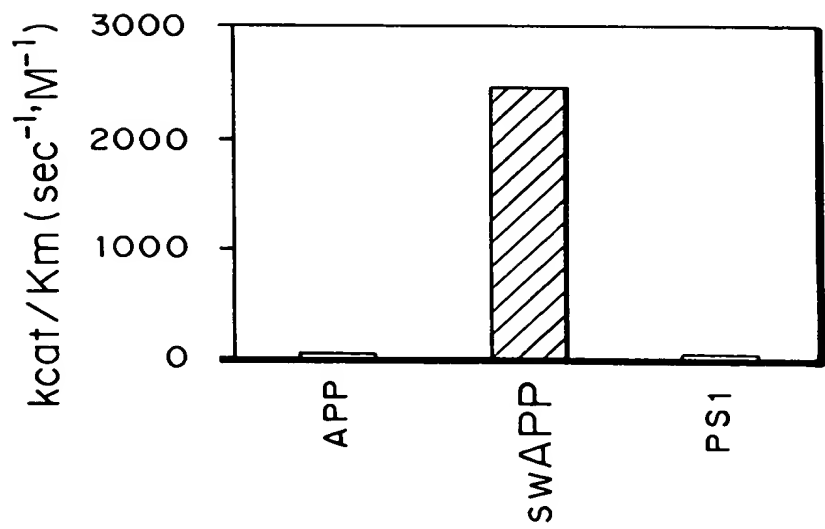
1v MASMTGGQQM GRGSMAGVLP AHGTQHGIRL PLRSLGGAP LGLRLPRETD  
 36p EEPEEPGRRG SFVEMVDNLR GKSGQGYVE MTVGSPQTL NILVDTGSSN  
 38 FAVGAAPHPF LHRYYQRQLS STYRDLRKGV YVPYTQGWKE GELGTDLVSI  
 88 PHGPNVTVRA NIAAITESDK FFINGSNWEG ILGLAYAEIA RPDDSLEPFF  
 138 DSLVKQTHVP NLFSLQLCGA GFPLNQSEVL ASVGSMIIG GIDHSLYTGS  
 188 LWYTPIRREW YVEVIVRVE INGQDLKMDK KEYNYDKSIV DSGTTNLRLP  
 238 KKVFEEAAVKS IKAASSTEKF PDGFWLGEQL VCWQAGTTPW NIFPVISLYL  
 288 MGEVTNQSR ITILPQQYLR PVEDVATSQD DCYKFAISQS STGTVMGAVI  
 338 MEGFYVVFD R ARKRIGFAVS ACHVHDEFRT AAVEGPFVTL DMEDCGYNIP  
 388 QTDESTLMTI AYVMAAICAL FMLPLCLMVC QWRCLRLRQ QHDDFADDIS  
 438 LLK\*



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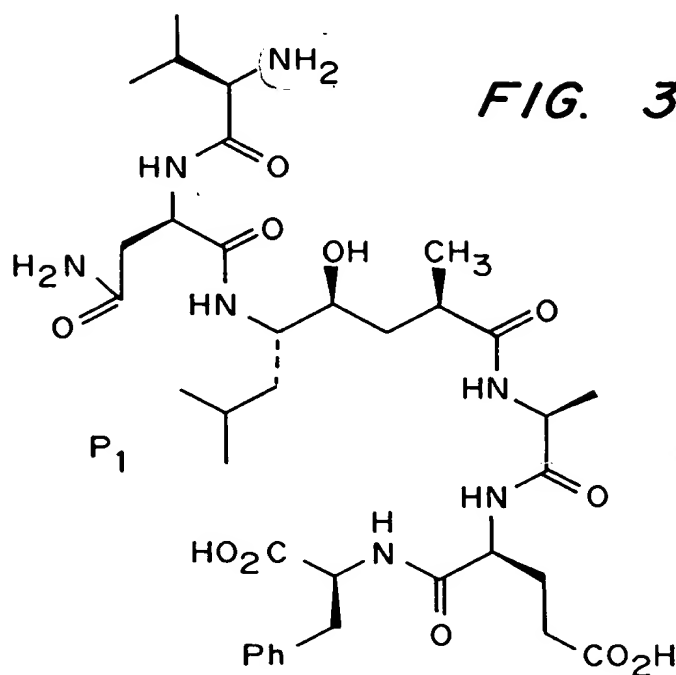
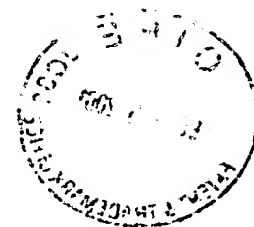
**FIG. 2A**



**FIG. 2B**

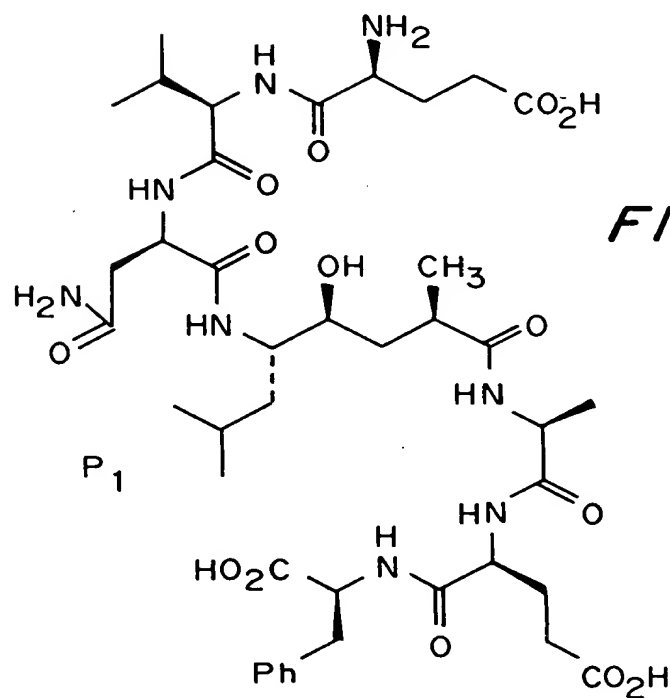
APPROVED	O.G. FIG.
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**FIG. 3A**

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**FIG. 3B**

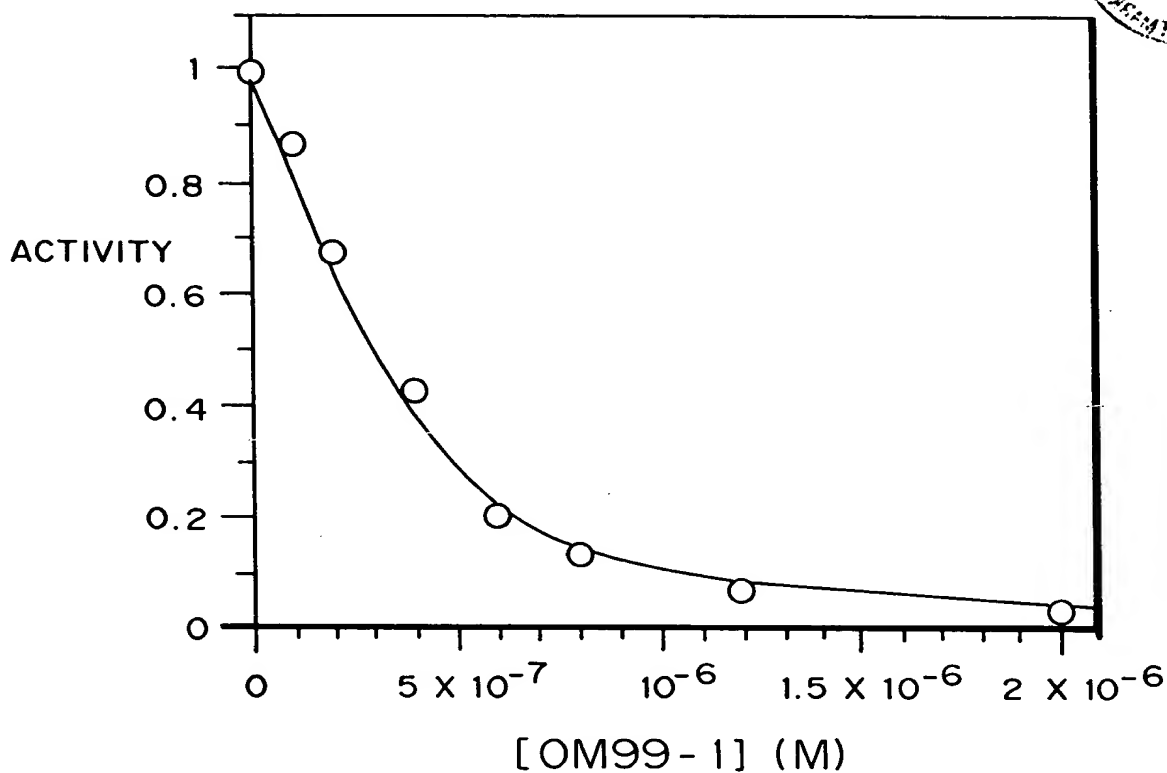
OM99 - 2

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**FIG. 4A**



[Mep2] = 0.47  $\mu$ M

[Fluo. Substrate] = 29.9  $\mu$ M

Buffer: Na Acetate 0.1 M, 5% DMSO, pH 4.5 at 37°C

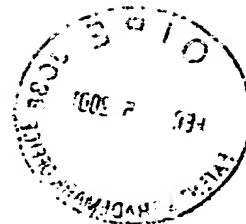
Excitation at 350 nm

Emission at 490 nm

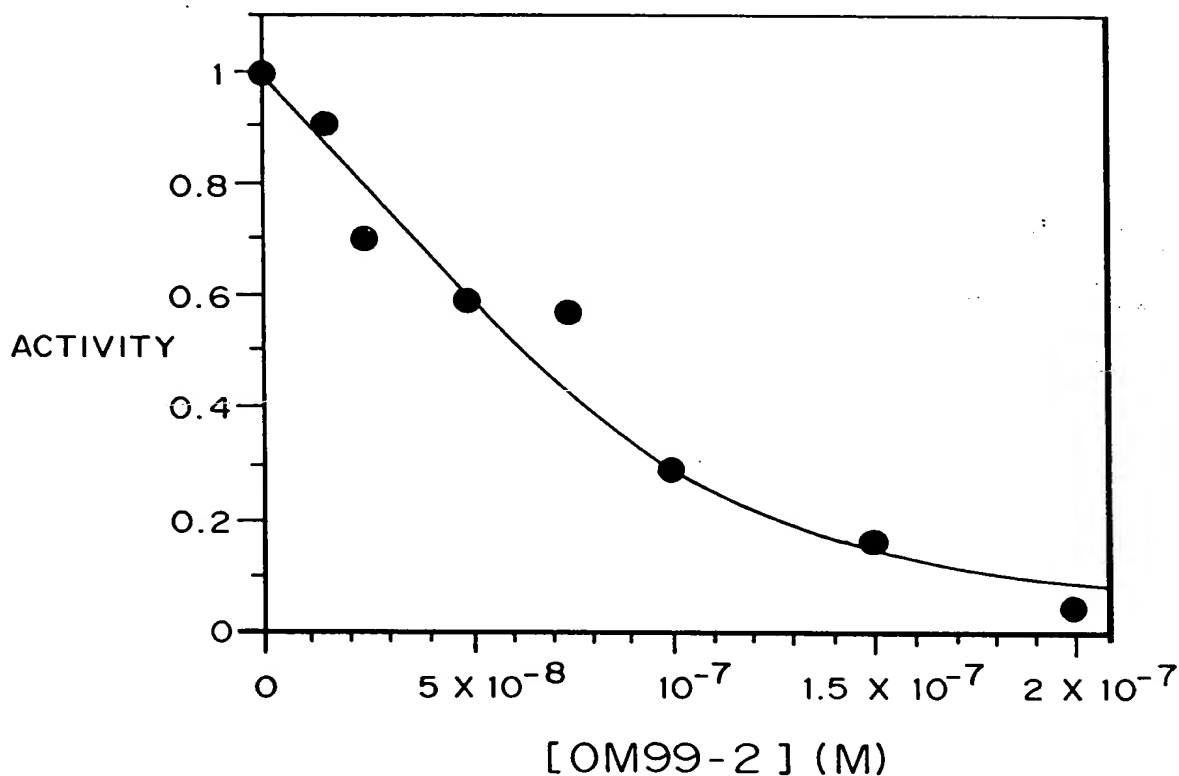
Parameter	Value	Std. Error
Ki	6.84e - 8	2.72e - 9

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**FIG. 4B**



$[E]_0 = 0.11 \mu\text{M}$

$[\text{Fluo Substrate}] = 29.9 \mu\text{M}$

Parameter	Value	Std. Error
Ki	9.58e-9	2.86e-10

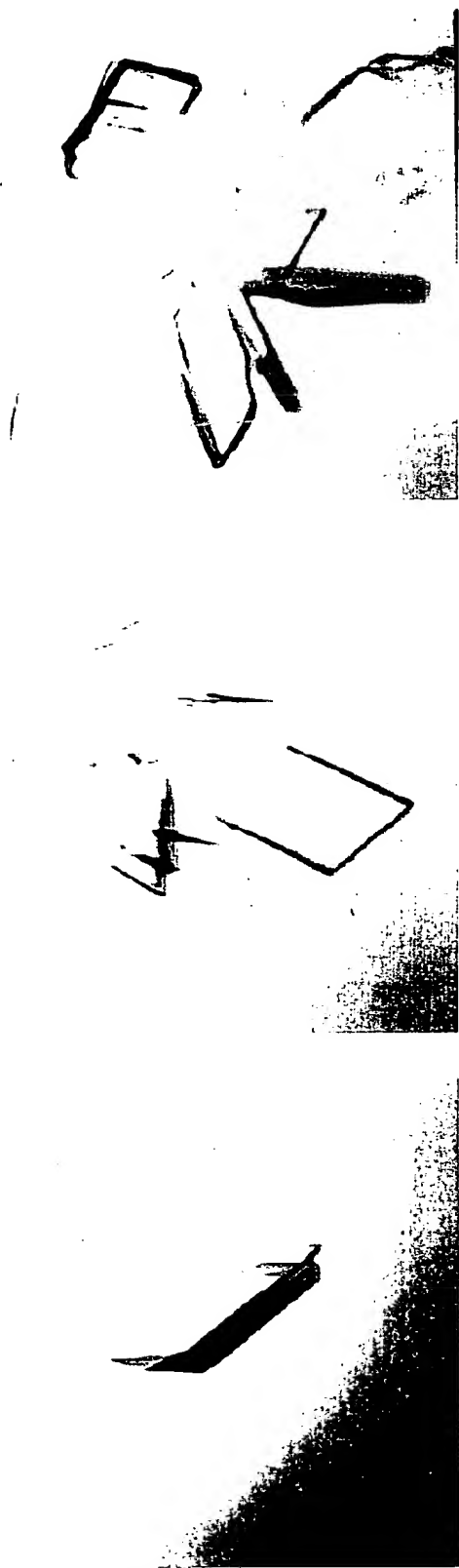


FIG. 5A



FIG. 5B



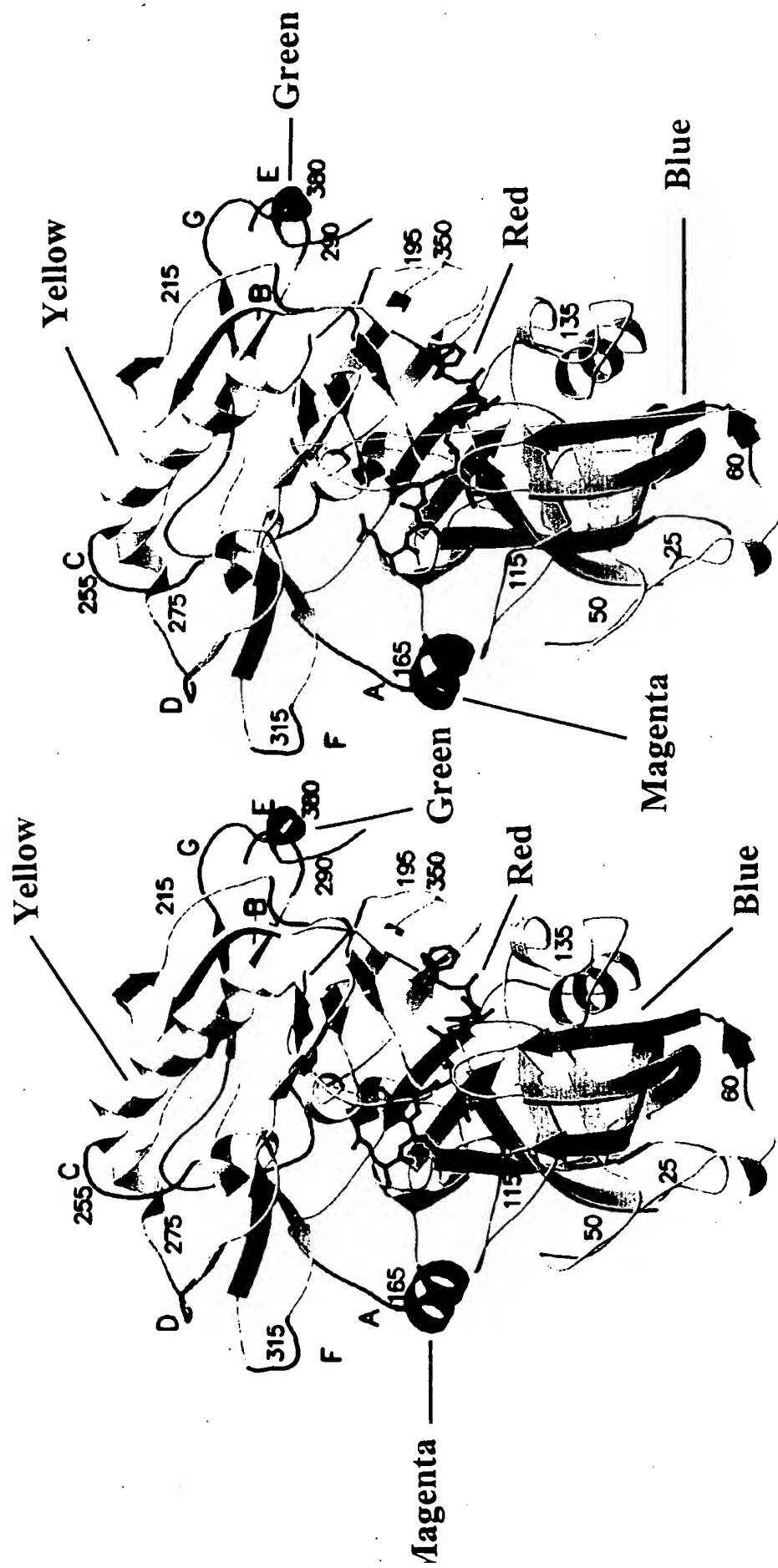
FIG. 5C



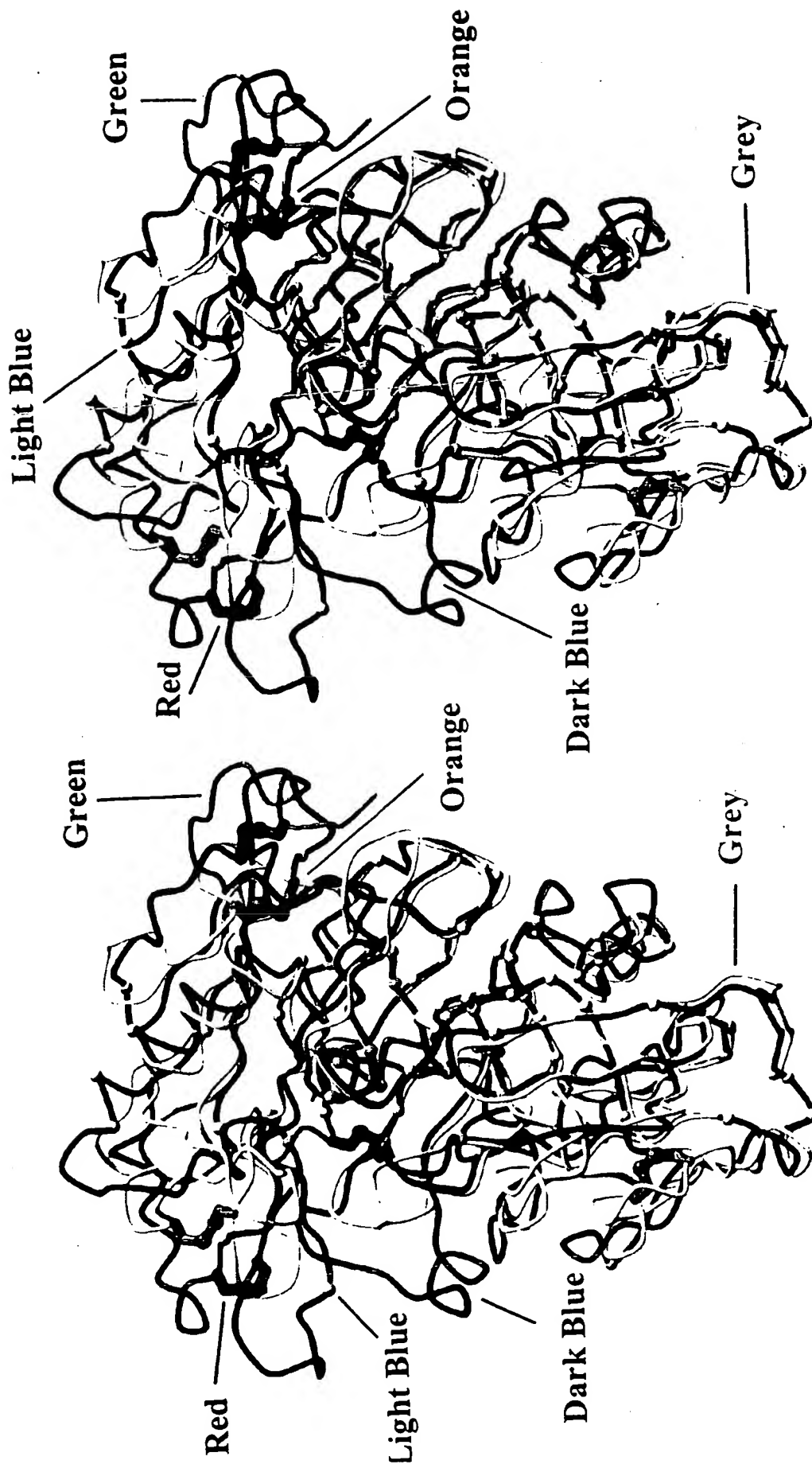
FIG. 5D



FIG. 5E

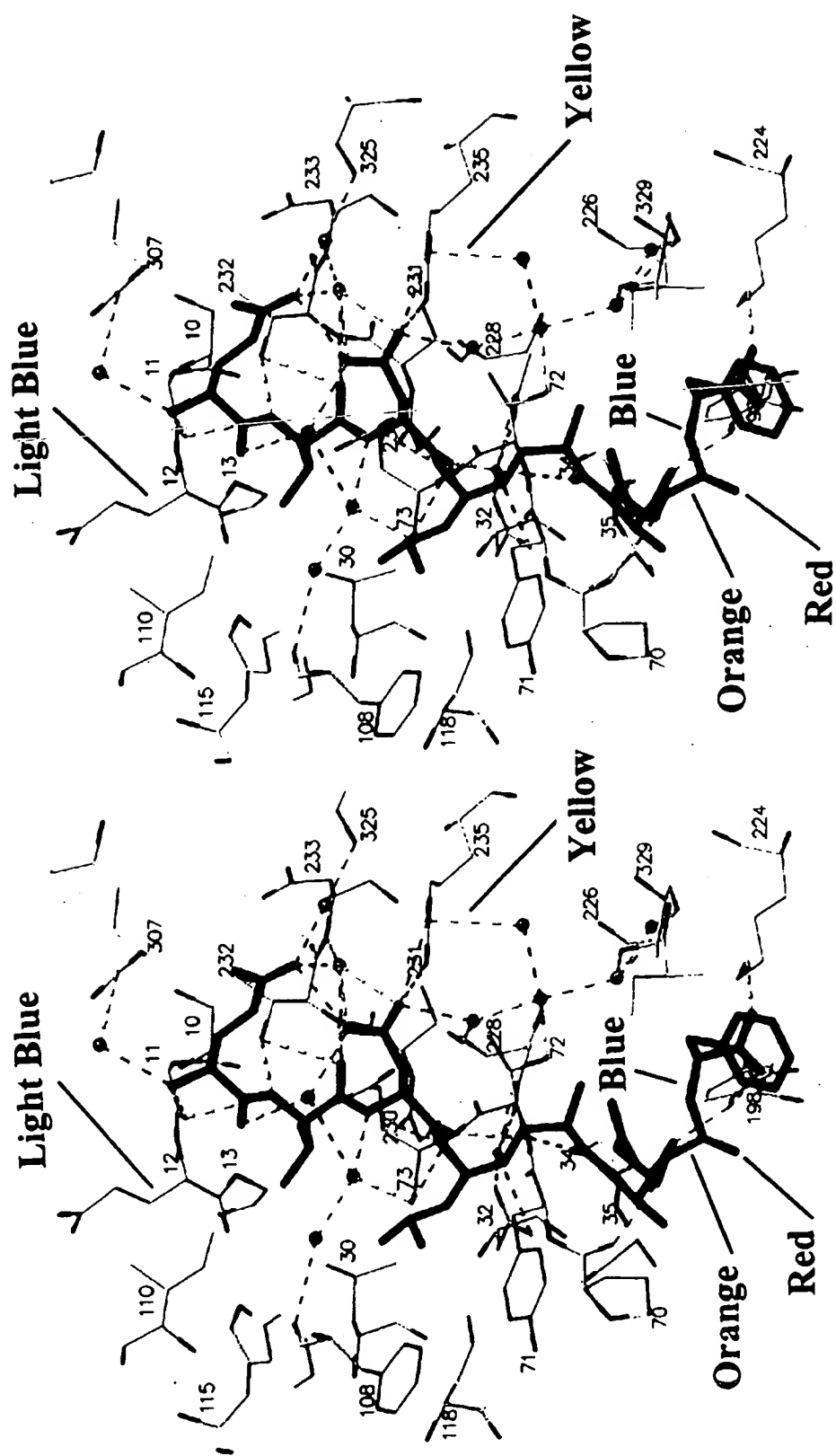


**FIG. 6**



**FIG. 7**



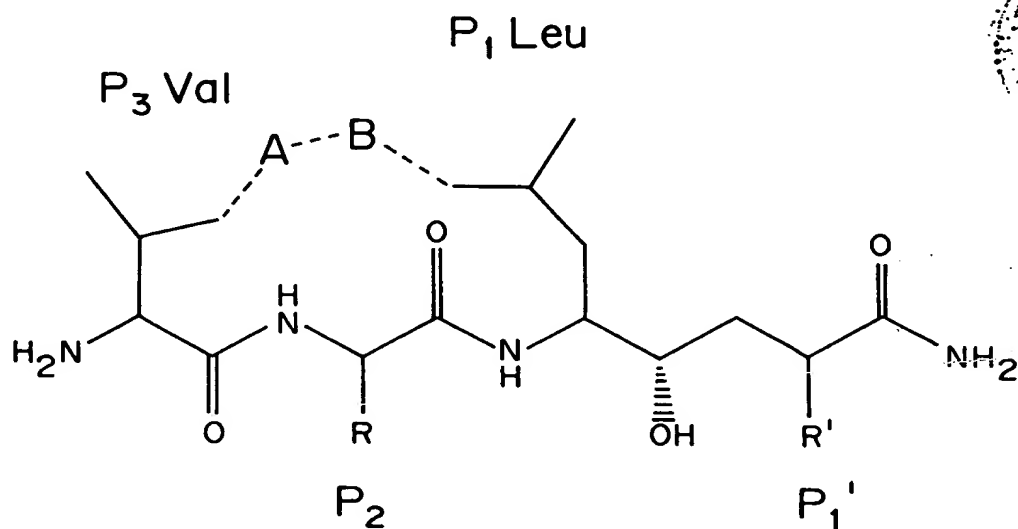
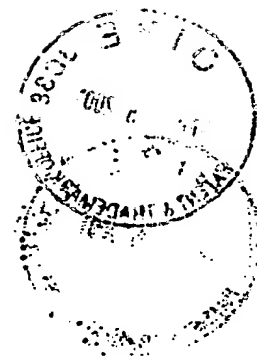


**FIG. 9**

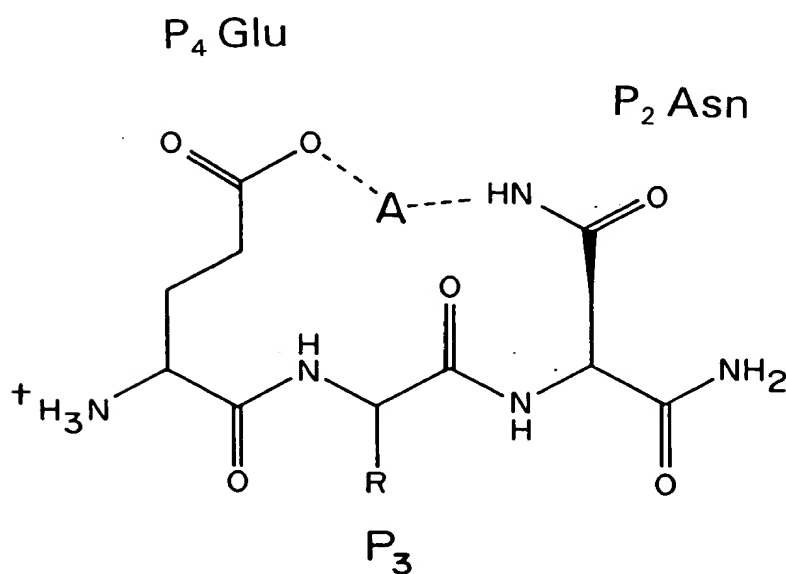


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**FIG. 10**



**FIG. 11**

